

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 30, 2025

FIS1 antibody

RRID:AB_2102532

Type: Antibody

Proper Citation

(Proteintech Cat# 10956-1-AP, RRID:AB_2102532)

Antibody Information

URL: http://antibodyregistry.org/AB_2102532

Proper Citation: (Proteintech Cat# 10956-1-AP, RRID:AB_2102532)

Target Antigen: FIS1

Host Organism: rabbit

Clonality: polyclonal

Comments: Originating manufacturer of this product.

Applications: WB, IP, IHC, IF, ELISA

Antibody Name: FIS1 antibody

Description: This polyclonal targets FIS1

Target Organism: rat, hamster, cow, pig, swine, mouse, human, squirrels

Antibody ID: AB_2102532

Vendor: Proteintech

Catalog Number: 10956-1-AP

Record Creation Time: 20231110T080602+0000

Record Last Update: 20241115T003849+0000

Ratings and Alerts

No rating or validation information has been found for FIS1 antibody.

No alerts have been found for FIS1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Tang X, et al. (2025) Hypoxia-preconditioned bone marrow-derived mesenchymal stem cells protect neurons from cardiac arrest-induced pyroptosis. *Neural regeneration research*, 20(4), 1103.

Zhou J, et al. (2024) Astrocytic LRP1 enables mitochondria transfer to neurons and mitigates brain ischemic stroke by suppressing ARF1 lactylation. *Cell metabolism*, 36(9), 2054.

Murata D, et al. (2024) Slc25a3-dependent copper transport controls flickering-induced Opa1 processing for mitochondrial safeguard. *Developmental cell*, 59(19), 2578.

He Y, et al. (2024) Deficient tRNA posttranscription modification dysregulated the mitochondrial quality controls and apoptosis. *iScience*, 27(2), 108883.

Tábara LC, et al. (2024) MTFP1 controls mitochondrial fusion to regulate inner membrane quality control and maintain mtDNA levels. *Cell*, 187(14), 3619.

Liao KM, et al. (2023) Senomorphic effect of diphenyleneiodonium through AMPK/MFF/DRP1 mediated mitochondrial fission. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 162, 114616.

Li X, et al. (2023) Photobiomodulation provides neuroprotection through regulating mitochondrial fission imbalance in the subacute phase of spinal cord injury. *Neural regeneration research*, 18(9), 2005.

Shahin S, et al. (2023) MFN1 augmentation prevents retinal degeneration in a Charcot-Marie-Tooth type 2A mouse model. *iScience*, 26(3), 106270.

Liu ZF, et al. (2022) Melatonin attenuates manganese-induced mitochondrial fragmentation by suppressing the Mst1/JNK signaling pathway in primary mouse neurons. *The Science of the total environment*, 844, 157134.

Wang M, et al. (2022) Generation of a homozygous FIS1 knockout human embryonic stem cell line GIBHe015-B by CRISPR/Cas9 system. *Stem cell research*, 65, 102980.

Xu L, et al. (2022) CLOCK regulates Drp1 mRNA stability and mitochondrial homeostasis by interacting with PUF60. *Cell reports*, 39(2), 110635.

Du J, et al. (2022) N6-adenomethylation of GsdmC is essential for Lgr5+ stem cell survival to maintain normal colonic epithelial morphogenesis. *Developmental cell*, 57(16), 1976.

Coukos R, et al. (2021) An engineered transcriptional reporter of protein localization identifies regulators of mitochondrial and ER membrane protein trafficking in high-throughput CRISPRi screens. *eLife*, 10.

Pusec CM, et al. (2019) Hepatic HKDC1 Expression Contributes to Liver Metabolism. *Endocrinology*, 160(2), 313.

Zhong X, et al. (2019) Mitochondrial Dynamics Is Critical for the Full Pluripotency and Embryonic Developmental Potential of Pluripotent Stem Cells. *Cell metabolism*, 29(4), 979.

Pei S, et al. (2018) AMPK/FIS1-Mediated Mitophagy Is Required for Self-Renewal of Human AML Stem Cells. *Cell stem cell*, 23(1), 86.

Hennings TG, et al. (2018) In Vivo Deletion of β -Cell Drp1 Impairs Insulin Secretion Without Affecting Islet Oxygen Consumption. *Endocrinology*, 159(9), 3245.

Guedouari H, et al. (2017) Sirtuin 5 protects mitochondria from fragmentation and degradation during starvation. *Biochimica et biophysica acta. Molecular cell research*, 1864(1), 169.

Sharoar MG, et al. (2016) Dysfunctional tubular endoplasmic reticulum constitutes a pathological feature of Alzheimer's disease. *Molecular psychiatry*, 21(9), 1263.